

The Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS

1. (Currently Amended) An immiscible polymer blend comprising 60% or greater high density polyethylene (HDPE) and 40% or less polycarbonate (PC) or 60% or greater HDPE and 40% or less of a mixture of acrylonitrile-butadiene-styrene (ABS), and PC, wherein said HDPE has a melt flow at 190°C/2.16Kg of less than ~~about~~ 1g/10min, and said PC or mixture of PC and ABS has a melt flow at 190°C/2.16Kg greater than ~~about~~ 1g/10min and wherein the ratio of HDPE to PC or HDPE to the mixture of ABS and PC provides a blend having a modulus greater than the additive contribution of each polymer to overall stiffness and wherein the amount of HDPE ~~is greater than~~ and the amount of PC or the amount of the mixture of ABS and PC when added together equal 100%.

2. (Cancelled)

3. (Previously Presented) The polymer blend of claim 1 which comprises HDPE and PC.

4. (Previously Presented) The polymer blend of claim 1 which comprises HDPE, ABS and PC.

5. (Cancelled)

6. (Cancelled)

7. (Previously Presented) The polymer blend of claim 1 wherein said HDPE has a fractional melt flow.

8. (Cancelled)

9. (Cancelled)

10. (Cancelled)

11. (Original) A plastic or polymer composite article formed of the polymer blend of claim 1.

12. (Previously Presented) The plastic article of claim 11 which is formed into the shape of lumber.

13. (Original) The plastic article of claim 11 which is a railroad tie.

14. (Original) The plastic article of claim 11 which is a marine piling.

15. (Currently Amended) A method of making a plastic or polymer composite article, comprising:

(a) preparing an immiscible polymer blend comprising 60% or greater high density polyethylene (HDPE) and 40% or less polycarbonate (PC) or 60% or greater HDPE and 40% or less of a mixture of acrylonitrile-butadiene-styrene (ABS) and PC, wherein said HDPE has a melt flow at 190°C/2.16Kg of less than ~~about~~ 1g/10min, and said PC or mixture of PC and ABS has a melt flow at 190°C/2.16Kg greater than ~~about~~ 1g/10min wherein the ratio of HDPE to PC or HDPE to the mixture of ABS and PC provides a blend having a modulus greater than the additive contribution of each polymer to overall stiffness and wherein the amount of HDPE is ~~greater than~~ and the amount of PC or the amount of the mixture of ABS and PC when added together equal 100%; and

(b) shaping the blend into a desired shape of the article.

16. (Original) The method of claim 15 wherein said preparing and shaping comprise continuous extrusion.

17. (Original) The method of claim 15 wherein said preparing comprises extrusion.

18. (Original) The method of claim 15 wherein said shaping comprises molding.

19. (Original) The method of claim 15 wherein said preparing and shaping comprises injection molding.